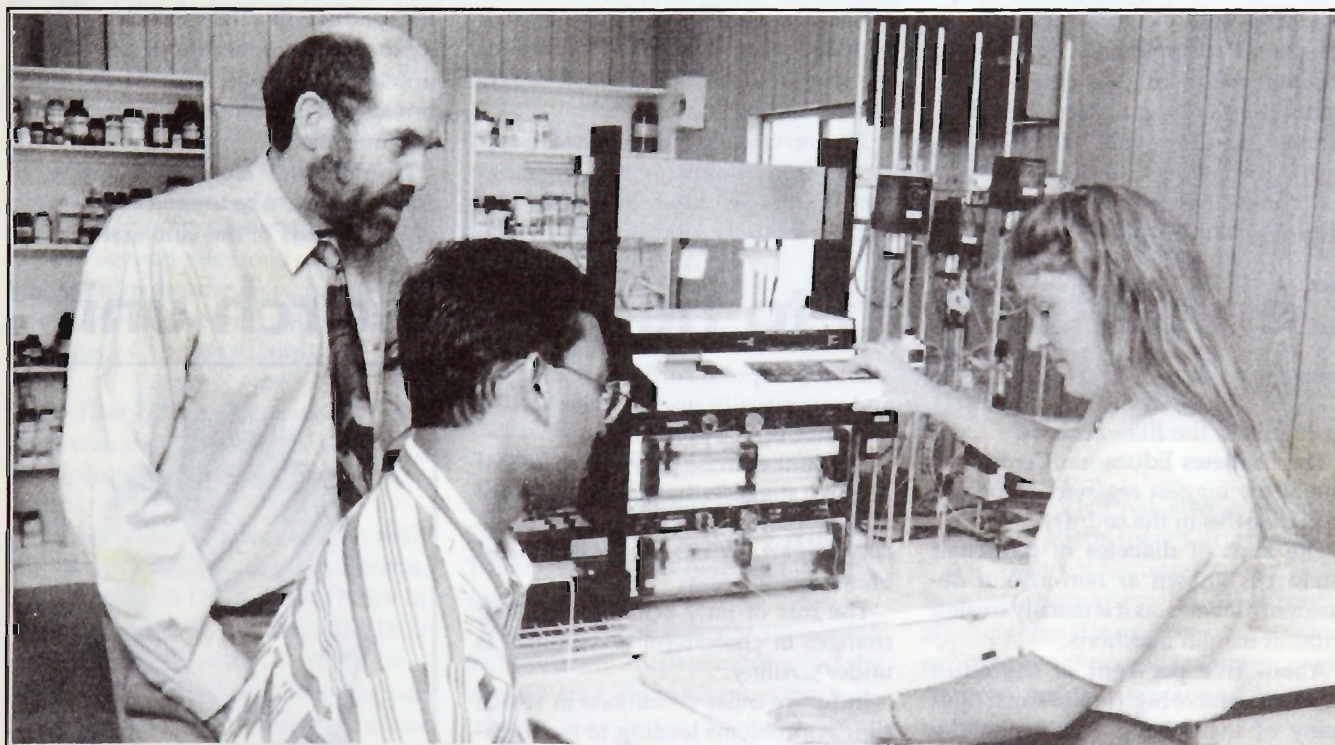


# CAMPUS NEWS

## Dennis Calvert to head Medical Research Unit



*Professor Dennis Calvert, Rajeev Daniel and Barbara Meyer*

Professor Dennis Calvert of the University's Department of Public Health and Nutrition, will head the Medical Research Unit in the Illawarra Area Health Service.

This is a new initiative by the University and the Service.

Elaine Knight (administrative assistant), Rajeev Daniel (research assistant), Barbara Meyer (lecturer) and two doctoral students will join him.

The success of the unit will depend greatly on collaboration with colleagues in the Illawarra Area Health Service.

These include Dr Bob Moses (a consulting physician in endocrinology and diabetes mellitus), Rhonda Griffiths and the staff of the Diabetes Education Centre, and colleagues in the Illawarra Pathcentre particularly in the Department of Clinical Biochemistry.

Professor Calvert's appointment to the University and to the Illawarra Area Health Service is as Professor of Medicine and Public Health, and he also holds a professorial appointment in medicine and public health at the University of NSW.

This is in recognition of his teaching duties, which have been extended to include undergraduate medical students from the University of NSW in the Illawarra Area Health Service.

He will continue to have teaching and other responsibilities in the Department of Public Health and Nutrition.

The focus of the research will be on metabolic and nutritional disorders, in particular diabetes mellitus and lipid disorders, an area in which there are already significant research

*Continued page two*



Entries are being accepted for the eighth BHP Australian Steel Awards.

These awards are recognised as the foremost award for innovation in steel design in the country. Four winners will each receive a package worth around \$70,000.

If you know of any individual (engineers, students etc.) who has developed a new or improved product could you please recommend this award.

Entries close on 27 May. For entry forms, or further information, contact Robyn Lindley, phone 21 3788.

The Committee for the Advancement of University Teaching has called for applications for the 1993-4 round of Teaching Development Grants.

The University was most successful this year with five substantial grants being awarded.

The Centre for Staff Development will conduct a workshop shortly for potential applicants in order to acquaint them with the details of the Committee's report on the 1993 applications and to provide advice on potential projects.

A committee chaired by Professor Chipman will rank all applications for

## Brief News

the Teaching Development Grants.

In order for the committee to have time to consider applications and for final revisions to be made, applicants must submit proposals to Dr J R Panter, Head, Centre for Staff Development, ext. 3618, by Monday 25 April.

Applicants are strongly advised to submit a short draft proposal to Dr Panter as soon as possible in order that it can be checked against the guidelines.

Please specify whether you use a Mac or a PC so that the information may be sent in an appropriate form.

The draft should consist of no more than two A4 pages and should justify the project and indicate the purposes for which funds are sought.

Nominations are invited from any staff member or unit of the University for the award of the Ethel Hayton Trophy.

The recipient of the award is selected from a unit or staff member who, in the last year, has initiated a notable activity or activities which

enhanced community support for the University.

Ethel Hayton, a valued supporter of the University, commissioned Gino Sanguineti to create the trophy sculpture which symbolises the grand figtrees, previously a focal point on the University campus.

In 1986 the University accepted a recommendation by the Friends of the University that the sculpture be known as the Ethel Hayton Trophy.

The nominees for the trophy award will be interviewed by a member of the Committee of The Friends who will prepare a draft citation. Senior representatives of the local media will then consider nominations and recommend to the Vice-Chancellor the citation for the award of the trophy which will be presented on University Day, 10 May.

It is intended that involvement of the media will achieve wider publicity for the award and will provide an unbiased external view of the relationship of University activities to the community.

Nominations close on Tuesday, 6 April and are to be lodged at the office of the Friends of the University.

# Dennis Calvert to head research unit

*From page one*

strengths in the Illawarra.

The Diabetes Education Centre has one of the biggest registers of people with diabetes in the country.

The kind of diabetes of particular interest is known as non-insulin dependent diabetes, as it is usually treated without insulin injections.

About five per cent of the adult population have high blood sugar (and many of these have non-insulin dependent diabetes).

Diabetes is particularly prevalent in middle-aged and elderly people.

Problems which are often associated are abdominal obesity and high blood pressure, and the combination of these factors is a major cause of coronary heart disease.

The group is beginning by defining the sequence of events in a person with a diabetic tendency, who develops diabetes over several years.

The initial study population will be women who have had diabetes during pregnancy and who are 'normal' after pregnancy.

A significant number of such women go on to develop diabetes.

The factors which initiate diabetes

and blood lipid disorders are unclear, and it is equally unclear whether the sequence can be prevented.

Diet and exercise play a part. Recent research suggests that the fat content of the diet plays an important role, probably in part, by modifying cell membrane composition.

The role of fatty acids in initiating changes in cholesterol metabolism is under scrutiny.

In future other conditions in which similar problems leading to heart disease are found may be investigated. These include chronic kidney failure and the changes which take place in women around the menopause.

The development of research strength in the clinical and laboratory aspects of metabolic and nutritional science will strengthen the current program in nutrition and complement the developments under way in anatomy and physiology in the Department of Human Biosciences within the faculty.

Professor Calvert will also be collaborating with Ms Kathy Eagar, Dir of PI, IAHS and Professor Don Hindle in ARC-funded research on management of the Area Health Service, with Dr David Jeffs from the Public Health Unit in areas of public health research and



*Professor Ross Harris*

with Professor Christine Ewan and colleagues on research on environmental health.

Professor Ross Harris took over as Head of the Department of Public Health and Nutrition at the University on 1 February.



# Retirement of Keith Tognetti

A dinner will be held for Keith Tognetti at the North Beach Novotel on 15 April to mark his retirement.

Mr Tognetti joined the University as a specialist in Operations Research (OR) in 1969, with the expectation that he would probably stay for only a few years.

However, after being involved in many activities in the town (helping start a new school and to set up the Conservatorium and art gallery) and with the gown (he was foundation chairman of the local OR society and initiated the local branch of the Australian Computer Society of which he was secretary, and he also organised the first national seminar in OR), he felt that he was committed to the area and the development of the University.

Before joining academic life, he held several positions – as an engineer (in mining, explosives and atomic reactors), and as manager of a national transport fleet.

His first University appointment was at the Research School of Biological Sciences at the ANU.

He has had a long association with computer developments in Australia, beginning with UTECOM at NSW in 1961, followed by the first IBM 1620 at the Atomic Energy Commission.

He was in charge of the original 1620 at the University and was executive officer for the selection of its update.

He designed and implemented the first master's degree in Australia in OR with funding support from industry.

He also taught most of the subjects in this course as well as supervising most projects. His teaching ranges over OR, stochastic processes, discrete maths, number theory and chaos. He has also produced many expository teaching notes. He was sometime Chairman of the Faculty of Mathematics.

His research ranges over Reactor Science, OR, military science (Search Theory), Computer Simulation,



*Keith Tognetti – a portrait by John Eveleigh*

Population Dynamics, Demography, Queueing, Risk Analysis, Number Theory (emergent patterns) and the mathematical theory of Chaos.

He introduced discrete simulation techniques to Australia (for which he was given a Fellowship of the Australian Computer Society) – the simulations included combat systems, biological populations and OR (including a large simulation of the Port Kembla port operations with an ARC grant).

His modelling in emergent patterns has revealed all sorts of rather beautiful number theoretic relationships in self-similar discrete structures associated with the uniform distribution of points around a circle.

These patterns have a bearing on fivefold symmetry patterns in biology and crystal structures.

His main current interest is artificial life, an emergent new branch of computer science which is concerned with the evolution of computer generated

'creatures'. This has strong connections with chaos theory and fractals.

As a result of his unorthodox entry into mathematics, he feels very strongly that it is most important that every researcher in the mathematical sciences must have a sound basis in pure mathematics.

He is also most concerned that, as we are enticed into the artificial world of computers (virtual reality and so on), we should not let our connections with nature wither away.

Hence he has a deep and increasing commitment towards the conservation of life systems.

Whether it's the thought of Pythagoras, the symmetries of snowflake crystals, the epigrams of Martial, the golden ratio, or the poems of John Shaw Neilson, Keith has an interest and an opinion – the latter usually controversial!

Anyone interested in attending his retirement dinner should contact Carolyn Silveri, ext. 3845.



# Penny Chapple's Conservatorium appointment

Penny Chapple has been appointed full-time Senior Music Administrator at the Conservatorium.

Her very diverse role includes administering and co-ordinating the overall music education programs at the Conservatorium as well as its public performances; promoting the Conservatorium's music activities; liaising with students, parents, staff and the wider community; and some formal teaching.

Ms Chapple aims to ensure that the Conservatorium is regarded as a valuable and integral part of the Illawarra, Shoalhaven and Southern Highlands communities while maintaining the highest standards of teaching.

She wants to continue the development of a functional and attractive learning environment, to foster the musical development, enjoyment and creativity of all students and to extend the Conservatorium's music education programs so that they become available to all members of the community, from the youngest to the oldest.

Before her appointment Ms Chapple was an accredited private music teacher with the NSW Conservatorium of Music.

She holds a Licentiate in Oboe from Trinity College of London, a Diploma in Education from Sydney Teachers' College, Bachelor of Music from the University of Sydney and an AMusA - Oboe.

Working with her at the Conservatorium are:

- Karen Unicomb, the co-ordinator of the immensely popular Childhood Music Education Program. This course specialises in music education for very young children from the age of three and a half years. It begins with basic musical concepts and by the final year the students are experimenting with different musical instruments in order to find the instrument they would like to continue with, and

- David Vance, Music Development Officer in the Creative Arts Department of the University, is the conductor of the BHP Youth Orchestra. This orchestra of fine young players is generously sponsored by BHP. It trains the performers in orchestral and ensemble playing and exposes them to diverse



*Penny Chapple*

and challenging repertoire. New players are very welcome to audition for the orchestra which rehearses on Fridays at the Conservatorium from 5.30-7.30pm.

For all enquiries regarding music tuition, the Childhood Music Education Program, BHP Youth Orchestra or general information, phone (042) 28 1122.



# Quality service would pay off for universities too



*Professor Leonard Berry at the half-day seminar he presented on the need for a marketing revolution focussing on providing quality service*

Professor of Marketing from Texas A & M University, Professor Leonard Berry, gave a half-day seminar at the University on 18 March addressing the need for a marketing revolution focussing on providing quality service.

Companies which compete on the basis of service, he said, reap handsome dividends in terms of competitive differentiation, enduring customer relations, favourable customer word-of-mouth advertising, higher staff morale and greater productivity.

Conversely, companies that provide poor service struggle with marketing problems no matter how enticing their advertising is.

Promotional activity accomplishes nothing more than persuading prospective customers to try a poor service - just once. The importance of quality service to a company's future is no secret.

In an American Management Association survey of North American, Western European and Japanese managers, 78

per cent indicated that improving quality and service to customers is *the* key to competitive success. However the implementation of quality service management practices lags far behind the awareness of their importance.

Professor Berry said that there were many examples where Universities in the USA had adopted the principles of quality service marketing with excellent results.

The seminar which was organised by the Department of Management through its Services Marketing Unit, was well attended, with approximately 140 attendees from the University and wide range of Illawarra-based companies.

Several local companies sponsored the seminar - BHP Steel, Sheet and Coil Products, i98 FM, Illawarra Electricity, Australian Institute of Management, Illawarra Credit Union, WIN Television, and the Illawarra Quality Improvement Network.

A copy of papers and articles by Professor Berry on this topic is available from Planning and Marketing, ext. 3926.

## Parenting for effective schooling

A workshop will be held at the University on Saturday 3 April to assist parents of secondary school students to help develop their children's potential.

A major theme of current educational theory and practice is the importance of appropriate parental support for the school.

From the parental point of view, the secondary school years span an often difficult transition time in their children's development.

This is not a seminar for an academic audience or to debate different theories. At a time when parents and students are faced with such pressure in the HSC, and there is such strong demand for University and TAFE places, the workshop is designed to give par-

ents practical information on how to help their children get the best out of their secondary school years.

Organised by the Graduate School of Education at the University, the workshop is being fully supported by the region's public schools, the Catholic schools and the Illawarra Grammar School. It will help unravel the mysteries of the HSC and TER, and offer practical tips on homework, study techniques, and developing motivation.

But it is not just concerned with success in the HSC.

A key feature of the afternoon is the session on AIDS, drugs and alcohol.

A speaker from the Department of School Education will describe what

students are taught about these matters in school, and there will then be a panel discussion (including speakers from TIGS, St Mary's College and the Catholic Education Office) about the teaching of these matters in the different schools.

Speakers and topics have been chosen to include practical contributions by senior and experienced staff from the Department of School Education, TIGS, St Mary's College and Edmund Rice College.

Places are limited, and early registration is essential. To apply phone the graduate School of Education 21 3316 or 21 3144. For further information contact Professor Ken Gannicott 21 3316.



# Bill McGaw appointed Manager International Division ITC

Senior Lecturer in English, Bill McGaw, has been appointed to the new position of Manager of the Illawarra Technology Corporation's International Division.

Working for ITC will not be a completely new experience for Mr McGaw.

A year ago he took on the role of Academic Liaison for the Wollongong English Language Centre (WELC) and later was given responsibility for international marketing of WELC and the University's Foundation Studies programs.

In his new position with ITC, Mr McGaw has overall management responsibility for WELC and Foundation Studies and for offshore programs and services.

ITC Managing Director, Jim Langridge, said he was very pleased that Mr McGaw had taken up the new position, especially in view of his success in marketing WELC and Foundation Studies.

'Bill McGaw has been involved for several years in various aspects of the University's program of internation-



*Bill McGaw  
new Manager  
of the Illawarra  
Technology  
Corporation's  
International  
Division*

alisation, such as the development and implementation of exchange agreements with overseas universities, especially in the United States,' Mr Langridge said.

'His activities as an academic in post-colonial literary studies and post-colonial education, and in administering the Commonwealth Writers' Prize enable him to bring to the Corporation a special awareness

of cross-cultural issues, especially in South East Asia and the South Pacific, which are important markets for ITC and the University.

'Bill's practical experience in the international arena, his cultural awareness and his willingness to work as part of a team, have already been of great assistance in the development of ITC's international program.

'As Manager of the International Division he will have greater scope to contribute to that program.'

Mr McGaw said the University of Wollongong had an impressive record in developing an international focus, for example in recruiting international students and in the development of active bilateral student exchange programs.

'For the sort of success we've had, you need vision,' Mr McGaw said.

'I think the importance of the Vice-Chancellor's role in presenting and sustaining the vision is generally acknowledged.

'You also need teamwork and there is now a high level of co-operation between ITC's International Division and the University's International Office.

'The co-operation runs through policy development, marketing strategy, organising recruitment tours, admission and processing.

'One of the things I'm enjoying most about the new position is that it gives me the opportunity to liaise between ITC and the University's faculties.'

## New member of staff looking at seed dispersal in forests

Kris French, who started as a lecturer in the Department of Biological Sciences at the beginning of spring semester 1993, has research interests in ecology including plant/animal interactions, seed dispersal and ecology, biodiversity and avian biology.

From a degree in science at the University of Sydney, she went to Monash University and completed her PhD investigating the role of birds in the dispersal of seeds in the tall eucalypt forests near Melbourne.

It was one of the first studies in Australia looking at how birds move seeds within a temperate habitat.

From Monash, Ms French took up a fellowship at Macquarie University where she investigated why plants with seed dispersed by birds and other vertebrates were distributed in closed forests on fertile soils.

Ms French will continue this research at the University of Wollongong and will also look at the interaction between dispersal and fire, particularly in relation to rainforests.

There are also many interesting questions still to be investigated in the role of vertebrates in moving seeds of various plant species and the effect of vertebrate digestion on the seeds. Ms French will also begin some research looking at the spatial patterns of insect biodiversity and the interaction between vertebrates and insect biodiversity.

She will be playing an active role in developing the Janet Cosh Herbarium which has been recently set up from a bequest from Janet Cosh.



# Exhibition aims to remove the barriers

An exhibition of photo art by Michael Thompson, Peter Jones and Peter Kemp is being held at the Long Gallery.

QUAERO – I look for, I am looking for  
VIDEO – I see, I am seeing

INTELLEGO – I understand, I am understanding

The title of this exhibition is intended to operate at different levels and to remove the barriers that often limit our understanding and enjoyment of art.

When applied to the artist it becomes a general description of the artist's *modus operandi*. What the artist looks for initially can be obscure even to the artist. It can simply be the compelling desire to enquire.

There is no explanation for the curiosity that so often possesses the human spirit, but it is the predominant inspiration behind most works of art. The questions 'why, what if, how and why not' reoccur throughout the entire process of making art.

Seeing and understanding often go hand in hand. The expression 'I see' usually means 'I understand'. We see with our eyes and mind. Explanation of what the mind has seen and understood comes later.

If this understanding is to be expressed to others it must be interpreted and represented. The re-presentation gains meaning from within the framework of its cultural vocabulary. The subsequent interpretation of symbols depends to a great extent on the experiences of the viewer as well as the artist. Language



*Blackwattle  
Bay XII  
1992 by  
Peter Jones*

breaches the intrinsic state of alienation experienced by humanity and creates a bond from a common bank of knowledge.

The visual language that the artist uses is perhaps the most complex yet universal language. However, it is the artist's responsibility to make that language accessible, for without the complicity between artist and viewer, the work is rendered sterile.

The expression of the searching, the seeing, the understanding can take many forms. The artists in this exhibi-

tion have chosen to use predominantly photo sensitive materials as their medium.

Curiosity is generally the fundamental motivation for viewing an exhibition. The viewers' inquisitiveness is as varied as the viewers themselves. The viewer enters the exhibition looking for something, sees something and understands through seeking and seeing.

Hours: Mon-Fri 9am-5pm.

Sunday 1.30-4pm.

Enquiries 21 3996.

## Department of Management seminar series

The Department of Management has arranged a series of seminars during Autumn Session on topics of interest to the general business community.

Visitors are welcome to attend the seminars which will be held on Fridays from 12.30-2pm in Building 40, Room 130.

The program is:

2 April: Dr Kwaku Atuahene-Gima (University of Wollongong). The Management of Innovation in Service Organisations.

23 April: Ms Jo Hanrahan (Intercultural Communication). Cultural Concepts Governing Japanese Business Methods.

30 April: Ms Tamilselvi Kandasami (University of Wollongong). An Empirical Investigation of Women Small Business Owners.

7 May: Mr Bob Williams (Mining Federation). Future Trends of the Trade Union Role in Management.

14 May: Mr Phil Scott (University of Wollongong). Analysis of Educa-

tion Demands of Past Commerce Graduates.

21 May: Mr Paul McCulloch (BHP-Sheet and Coil Products Division). Voluntary Redundancy: Its Effect on Patterns of Employee Turnover.

28 May: Professor Graeme Galt (University of Wollongong). Business Sport and the Arts-Different but the same!

4 June: Associate Professor Trevor Williams and Mr Michael Zanko

*Continued page eight*



## HOPE THEATRE

Bookings phone 21 4214  
Western Entrance, Northfields Avenue.

**Timetable:** 9 April: BHP Youth Orchestra 8pm. 17-29 May, The Chapel Perilous, John Senczuk. 30 May: Illawarra Choral Society Performance, 5-9pm. 5-7 June: Regional Poets Co-op Conference, 9am-10.30pm, Ron Pretty.

## CONSERVATORIUM

April 3: **BHP Youth Orchestra** will perform for the inaugural Southern Highlands Arts Festival at 6.30pm at Bowral High School. The Twilight Concert will appeal to all the family and a considerable part of the program will be devoted to younger listeners. The program showcases talented soloists from within the orchestra as well as presenting favourites such as *Peter and the Wolf* by Prokofiev.

## GENERAL

**Illawarra Committee for Overseas Students** events for this year are: 3 April, picnic at Cordeaux Dam \$2; 12 April, Gledswood Homestead (Adults \$10, Children \$3); 8 May, Canberra (Adults \$12, Children \$10); 9 May, Blue Mountains; 31 July and 7 August, Snowy Mountains; 18 September, Blue Mountains; 26 and 27 September, Canberra; 16 October, Sydney Aquarium and harbour cruise;

## Management seminar series

From page seven

(University of Wollongong). Mandatory and Voluntary Inter-organisational Relations in Public Regulation.

11 June: Mr Les Kirchmajer (University of Wollongong). Venture Creation and Entrepreneurship Training: An Overview of the Enterprise Workshop Program.

For additional information contact Dr Muayyad Jabri, phone (042) 21 3647 or ext. 3647.

## What's On

4 December, Australia's Wonderland. Tickets and details are available from ICOS office, 3rd Floor, Union Retail Centre on Tuesday, Wednesday and Friday from 9.30am to 2pm or phone 21 3158.

Considering further study or just some recreational reading? Visit the **University Graduates bookshop and gallery book sale** at Campus East, Fairy Meadow. The stock of used books covers: Science & Engineering, Social Sciences, Arts & Music, Education, Fiction & Non-Fiction, Young Readers' Stories & Classics. Open every fourth Saturday and Sunday from 1-5pm, the bookshop is located at Cowper Street, Fairy Meadow (opposite the Science Centre). Your donations of any material are invited. These may be left any weekend afternoon at the Science Centre (Please mark "Booksale"), or The Library or Students Enquiry Desk during the week.

Meetings dates of the **Animal Experimentation Ethics Committee** have been set for 1993. Prepare your applications in advance of these dates as no other meetings will be held in 1993. Meeting dates, with agenda deadlines in brackets, are: 24 May (14 May); 9 August (30 July); 22 November (12 November).

Dates for 1993 meetings (with agenda deadlines in brackets) for **Human Experimentation Ethics Committee** are: 27 April (13 April); 25 May (11 May); 13 July (29 June); 24 August (10 August); 5 October (21 September); 16 November (2 November); 21 December (7 December).

The Science Centre at Campus East

has on display an interactive exhibition featuring the fossil history of Australia entitled '**Life of the Past**'. This high quality exhibition, suitable for all ages, is on loan from the South Australian Museum and is supplemented by local materials. It will be at the Science Centre until the end of March. Enquiries, tel. 21 3521 (am) or 83 6665 (pm).

Due to the desirability to give members time to consider agenda papers, it has become necessary to impose a deadline on the submission of papers for the **Undergraduate Studies Committee**. Therefore any items for the committee must be given to Trevor James by 5pm, on the following dates:

13 April,  
11 May,  
29 June,  
1 September and  
26 October.

Items received after this time will not be presented until the following meeting. Meeting dates appear on the University Schedule of Meetings. By giving members time to read the agenda, it will allow them to seek clarification or further information and to follow-up issues with other Faculty members where necessary.

## Stop Press

**Campus News** is published weekly on Wednesdays. Send material, preferably by Microsoft Mail or on disk, to Gillian Curtis (042) 21 3110 by noon on Monday of the week before that of publication